Name of Work:

Desilting and Repairto side Walls of Storm Water Drain from Byatarayanapura Iyyappa Temple road to Bata Showroom near (NH-7 Bellary road) from L & T Compound to Venkatesh Reddy House at Byatarayanpura (from Kriyanna House to Mandi Appaiah farm House and from Gullappa Nursery (NH-7) to Amruthahali Lake in Ward No. 07, Byatarayanapura.

BRUHATH BANGALORE MAHANAGARA PALIKE

BYATARAYANAPURA

Name of Work: Desilting and Repairto side Walls of Storm Water Drain from Byatarayanapura Iyyappa Temple road to Bata Showroom near (NH-7 Bellary road) from L & T Compound to Venkatesh Reddy House at Byatarayanpura (from Kriyanna House to Mandi Appaiah farm House and from Gullappa Nursery (NH-7) to Amruthahali Lake in Ward No. 07, Byatarayanapura.

Job Code :- 007-18-000012, 007-18-000016, 007-18-000019

Name of Agency :- M/S Nischal Constructions

Bill No :- 2nd and Part Bill

Measurements recorded on

Sl No.	Description of Chainage		Unit	No	L	B	D	Qty	Remarks
53	Excavation and removal of silt or silt mixed with sand in slushy condition from canal bed including jack well disposing off the same in spoil bank or on the canal embankment in layers as directed etc., complete with initial lead upto 50 m and all lifts.MISR 2014-15 (P.76 / I. No.44)								
	Desilting								
	Bytarayanapura Signal Back Side								
	0.00	15.00		1	15.00	1.20	0.60	10.80	
	15.00	23.50		1	8.50	1.20	0.60	6.12	
	23.50	41.50		1	18.00	1.20	0.60	12.96	
	41.50	47.50		1	6.00	1.20	0.60	4.32	
	47.50	65.50		1	18.00	1.20	0.60	12.96	
	65.50	83.50		1	18.00	1.20	0.60	12.96	
	83.50	98.50		1	15.00	1.50	0.60	13.50	
	98.50	113.50		1	15.00	1.50	0.60	13.50	
	113.50	116.50		1	3.00	1.50	0.60	2.70	
	116.50	123.50		1	7.00	1.20	0.60	5.04	
	123.50	127.50		1	4.00	1.20	0.60	2.88	
	127.50	132.50		1	5.00	1.20	0.60	3.60	
	132.50	147.50		1	15.00	1.20	0.60	10.80	
	147.50	152.00		1	4.50	1.20	0.60	3.24	
	152.00	156.70		1	4.70	1.20	0.60	3.38	
	156.70	163.50		1	6.80	1.50	0.60	6.12	
	163.50	178.50		1	15.00	1.20	0.60	10.80	
	178.50	193.50		1	15.00	1.20	0.60	10.80	
	193.50	208.50		1	15.00	1.20	0.60	10.80	
	208.50	215.00		1	6.50	1.20	0.60	4.68	
	0.00	15.00		1	15.00	1.80	0.60	16.20	
	15.00	27.60		1	12.60	1.80	0.60	13.61	
	Amruthhalli Near Shiva Temple								
	0.00	15.00		1	15.00	1.20	0.60	10.80	

Consultant

Assistant Engineer

202.57

Assistant Executive Engineer

Assistant Executive Engine
Kodigehalli Sub Divisio

(49)

202.57

Measurements recorded on									
Sl No.	Description of Chainage		Unit	No	L	B	D	Qty	Remarks
	15.00	30.00		1	15.00	1.20	0.60	10.80	
	30.00	45.00		1	15.00	1.20	0.60	10.80	
	45.00	60.00		1	15.00	1.20	0.60	10.80	
	60.00	75.00		1	15.00	1.20	0.60	10.80	
	75.00	77.20		1	2.20	1.20	0.60	1.58	
	77.20	81.60		1	4.40	1.20	0.60	3.17	
	81.60	85.40		1	3.80	1.20	0.60	2.74	
	85.40	93.10		1	7.70	1.20	0.60	5.54	
	93.10	97.10		1	4.00	1.20	0.60	2.88	
	97.10	99.20		1	2.10	1.20	0.60	1.51	
	99.20	103.20		1	4.00	1.20	0.60	2.88	
	103.20	112.70		1	9.50	1.20	0.60	6.84	
	112.70	130.70		1	18.00	1.20	0.60	12.96	
	130.70	138.00		1	7.30	1.80	0.60	7.88	
	138.00	150.60		1	12.60	1.80	0.60	13.61	
						Total Quantity		307.37	
						Quantity Limited		109.55	Cum

24/6

Assistant Executive Engineer.
Kodigehalli Sub Division,
Yelahanka Zone, B.B.M.P.,
Bangalore.

24/6/15

Consultant

Assistant Engineer

Assistant Executive Engineer.
Kodigehalli Sub Division,
Yelahanka Zone, B.B.M.P.,
Bangalore.

Assistant Executive Engineer

Measurements recorded on									
Sl No.	Description of Chainage		Unit	No	L	B	D	Qty	Remarks
12	KSRB 4-6.4 : Providing and removing centering, shuttering, strutting, propping etc., and removal of form work for vertical surface such as walls at any thickness, including attached pilasters, buttresses, plinth cills and string courses cost of all materials, labour complete as per specifications. Specification No. KBS 4.6.2 Page No. 15 / Item No. 4.31 PWD SR 2016-17								
	Bytarayanapura Signal Back Side								
	0.00	15.00		1	15.00	1.50		22.50	
	15.00	23.50		1	8.50	1.50		12.75	
	23.50	41.50		0	18.00	-			BS slab
	41.50	47.50		0	6.00	-			Culvert
	47.50	65.50		1	18.00	1.80		32.40	
	65.50	83.50		0	18.00	-			Not Tacke
	83.50	98.50		1	15.00	1.80		27.00	
	98.50	113.50		1	15.00	1.80		27.00	
	113.50	116.50		1	3.00	1.80		5.40	
	116.50	123.50		0	7.00	-			BS slab
	123.50	127.50		1	4.00	1.80		7.20	
	127.50	132.50		0	5.00	-			BS slab
	132.50	147.50		1	15.00	1.20		18.00	
	147.50	152.00		1	4.50	1.20		5.40	
	152.00	156.70		0	4.70	-			Garrage
	156.70	163.50		1	6.80	1.80		12.24	
	163.50	178.50		1	15.00	1.20		18.00	
	178.50	193.50		1	15.00	1.20		18.00	
	193.50	208.50		1	15.00	1.20		18.00	
	208.50	215.00		1	6.50	1.20		7.80	
						-			
	0.00	15.00		1	15.00	2.60		39.00	
	15.00	27.60		1	12.60	2.60		32.76	
	Amruthhalli Near Shiva Temple								
	0.00	15.00		1	15.00	1.80		27.00	
	15.00	30.00		1	15.00	1.80		27.00	
	30.00	45.00		1	15.00	1.80		27.00	
	45.00	60.00		1	15.00	1.80		27.00	
	60.00	75.00		1	15.00	1.80		27.00	
	75.00	77.20		1	2.20	1.80		3.96	
	77.20	81.60		0	4.40	-			House
	81.60	85.40		1	3.80	1.80		6.84	
	85.40	93.10		0	7.70	-			Gate
	93.10	97.10		1	4.00	1.80		7.20	
	97.10	99.20		0	2.10	-			Gate

Consultant

Assistant Engineer

456.45

Assistant Executive Engineer

Assistant Executive Engineer
Kodigehalli Sub Division,

Measurements recorded on

Sl No.	Description of Chainage		Unit	No	L	B	D	Qty	Remarks
	99.20	103.20		1	4.00	1.80		7.20	
	103.20	112.70		0	9.50				House
	112.70	130.70		1	18.00	2.15		38.70	
	130.70	138.00		0	7.30				C/S Road
	138.00	150.60		1	12.60	2.60		32.76	
	0.00	15.00		1	15.00	2.75		41.25	
	15.00	30.00		1	15.00	2.75		41.25	
	30.00	45.00		1	15.00	2.75		41.25	
	45.00	60.00		1	15.00	2.75		41.25	
	60.00	75.00		1	15.00	2.75		41.25	
	75.00	90.00		1	15.00	2.75		41.25	
	90.00	100.00		1	10.00	2.75		27.50	
							Total Quantity	**810.11**	
							Qty Limited	**38.62**	**Sq-m**

Assistant Executive Engineer
Kodigehalli Sub Division,
Yelahanka Zone, B.B.M.P.,
Bangalore.

Consultant

Assistant Engineer

Assistant Executive Engineer
Kodigehalli Sub Division,

Measurements recorded on								
Sl No.	Description of Chainage	Unit	No	L	B	D	Qty	Remarks
10	KSRB 4.9.2 : Providing T.M.T steel reinforcement for R.C.C work including straightening, cutting, bending, hooking, placing in position, lapping and / or welding wherever required, tying with binding wire and anchoring to the adjoining members wherever necessary complete as per design (laps, hooks and wastage shall not be measured and paid) cost of materials, labour, HOM of machinery complete as per specifications. Specification No. KBS 4.6.3 - TMT bars Fe 500 Page No. 17 / Item No. 4.46.2, PWD SR 2016-17							
	Bytarayanapura Signal Back Side							
	Main Bars							
	10mm Dia Bars	1	235	1.500		0.617	217.59	
	Distribution Bars							
	8mm Dia Bars	1	15.00	23.500		0.395	139.26	
	Main Bars							
	10mm Dia Bars	1	618	1.800		0.617	686.67	
	Distribution Bars							
	8mm Dia Bars	1	18.00	61.800		0.395	439.47	
	Main U-Bars							
	10mm Dia Bars	1	710	1.200		0.617	525.93	
	Distribution Bars							
	8mm Dia Bars	1	12.00	71.000		0.395	336.59	
	Main Bars							
	10mm Dia Bars	1	276	1.200		0.617	204.44	
	Distribution Bars							
	8mm Dia Bars	1	12.00	27.600		0.395	130.84	
	Amruthhalli Near Shiva Temple							
	Main Bars							
	10mm Dia Bars	1	890	1.800		0.617	988.89	
	Distribution Bars							
	8mm Dia Bars	1	18.00	89.000		0.395	632.89	
	Main Bars							
	10mm Dia Bars	1	306	2.375		0.617	448.61	
	Distribution Bars							
	8mm Dia Bars	1	24.00	30.60		0.395	290.13	

Consultant

Assistant Engineer

5041.31

Assistant Executive Engineer
Kodigehalli Sub Division,
Yelahanka Zone, B.B.M.P.

5041.31

Measurements recorded on								
Sl No.	Description of Chainage	Unit	No	L	B	D	Qty	Remarks
	Main Bars							
	10mm Dia Bars	1	1000	2.750		0.617	1697.53	
	Distribution Bars							
	8mm Dia Bars	1	28.00	100.00		0.395	1106.17	
							7845.02	
						Total Quantity	**7.85**	**Tonne**

Assistant Executive Engineer.
Kodigehalli Sub Division,
Yelahanka Zone, B.B.M.P.
Bangalore.

Consultant

Assistant Engineer

Assistant Executive Engineer
Assistant Executive Engineer
Kodigehalli Sub Division,

Measurements recorded on

Sl No.	Description of Chainage		Unit	No	L	B	D	Qty	Remarks
42	KSRB 4.2.2 : Providing and laying in position **reinforced cement concrete of Design mix M20** with OPC cement @ 320kgs, with 20mm and down size graded granite metal coarse aggregates @0.69cum and fine aggregtes @ 0.460 cum, with super plasticiseng 15 cms thick, vibrated for all works **in foundation for footings, pedastals, retaining walls, return walls, walls (any thickness) including attached pilasters, columnspillars, posts, struts, buttresses, bed blocks, anchor blocks & plinths etc.,** including cost of all materials, labour, HOM of machinery, curing, complete but excluding cost of reinforcement as per specifications. Specification No. KBS 4.1, 4.6 **Page No. 12, Item No. 4.11, PWD SR 2016-17**								
	Bytarayanapura Signal Back Side								
	0.00	15.00		1	15.00	1.50	0.15	3.38	
	15.00	23.50		1	8.50	1.50	0.15	1.91	
	23.50	41.50		0	18.00				BS slab
	41.50	47.50		0	6.00				Culvert
	47.50	65.50		1	18.00	1.80	0.15	4.86	
	65.50	83.50		0	18.00				Not Tacke
	83.50	98.50		1	15.00	1.80	0.15	4.05	
	98.50	113.50		1	15.00	1.80	0.15	4.05	
	113.50	116.50		1	3.00	1.80	0.15	0.81	
	116.50	123.50		0	7.00				BS slab
	123.50	127.50		1	4.00	1.80	0.15	1.08	
	127.50	132.50		0	5.00				BS slab
	132.50	147.50		1	15.00	1.20	0.15	2.70	
	147.50	152.00		1	4.50	1.20	0.15	0.81	
	152.00	156.70		0	4.70				Garrage
	156.70	163.50		1	6.80	1.80	0.15	1.84	
	163.50	178.50		1	15.00	1.20	0.15	2.70	
	178.50	193.50		1	15.00	1.20	0.15	2.70	
	193.50	208.50		1	15.00	1.20	0.15	2.70	
	208.50	215.00		1	6.50	1.20	0.15	1.17	
	0.00	15.00		1	15.00	2.60	0.15	5.85	
	15.00	27.60		1	12.60	2.60	0.15	4.91	
	Amruthhalli Near Shiva Temple								
	0.00	15.00		1	15.00	1.80	0.15	4.05	
	15.00	30.00		1	15.00	1.80	0.15	4.05	
	30.00	45.00		1	15.00	1.80	0.15	4.05	
	45.00	60.00		1	15.00	1.80	0.15	4.05	
	60.00	75.00		1	15.00	1.80	0.15	4.05	
	75.00	77.20		1	2.20	1.80	0.15	0.59	
	77.20	81.60		0	4.40				House
	81.60	85.40		1	3.80	1.80	0.15	1.03	

Consultant

Assistant Engineer

67.39

Assistant Executive Engineer

Assistant Executive Engineer.

Cr. 67.39

Measurements recorded on									
Sl No.	Description of Chainage		Unit	No	L	B	D	Qty	Remarks
	85.40	93.10		0	7.70				Gate
	93.10	97.10		1	4.00	1.80	0.15	1.08	
	97.10	99.20		0	2.10				Gate
	99.20	103.20		1	4.00	1.80	0.15	1.08	
	103.20	112.70		0	9.50				House
	112.70	130.70		1	18.00	2.15	0.15	5.80	
	130.70	138.00		0	7.30				C/S Road
	138.00	150.60		1	12.60	2.60	0.15	4.91	

80.27

Consultant

Assistant Engineer

Assistant Executive Engineer

Assistant Executive Engineer
Kodigehalli Sub Division,

Measurements recorded on									
Sl No.	Description of Chainage		Unit	No	L	B	D	Qty	Remarks
	0.00	15.00		1	15.00	2.75	0.15	6.19	
	15.00	30.00		1	15.00	2.75	0.15	6.19	
	30.00	45.00		1	15.00	2.75	0.15	6.19	
	45.00	60.00		1	15.00	2.75	0.15	6.19	
	60.00	75.00		1	15.00	2.75	0.15	6.19	
	75.00	90.00		1	15.00	2.75	0.15	6.19	
	90.00	100.00		1	10.00	2.75	0.15	4.13	
						Total Quantity		121.52	Cu-m

Assistant Executive Engineer.
Kodigehalli Sub Division,
Yelahanka Zone, B.B.M.P.,
Bangalore.

Consultant

Assistant Engineer

Assistant Executive Engineer
Kodigehalli Sub Division,
Yelahanka Zone, B.B.M.P.

Measurements recorded on									
Sl No.	Description of Chainage		Unit	No	L	B	D	Qty	Remarks
45	KSRB 5.3-3 : Providing and constructing granite / trap / basalt size stone masonry in basement with cement mortar 1:6, edges of stones chistle dressed in courses not less than 15 cms high, bond stones at two m. apart in each course including cost of materials, labour, curing complete as per specifications.								
	Amruthhalli Near Shiva Temple								
	0.00	15.00		2	15.00	0.45	0.45	6.08	
	15.00	30.00		2	15.00	0.45	0.45	6.08	
	30.00	45.00		2	15.00	0.45	0.45	6.08	
	45.00	60.00		2	15.00	0.45	0.45	6.08	
	60.00	77.20		2	17.20	0.45	0.45	6.97	
	138.00	150.60		2	12.60	0.45	1.00	11.34	
						Total Quantity		**42.61**	**Cum**

Assistant Executive Engineer,
Kodigehalli Sub Division,
Yelahanka Zone, B.B.M.P.,
Bangalore.

Consultant

Assistant Engineer

Assistant Executive Engineer

Assistant Executive Engineer
Kodigehalli Sub Division,

58

Measurements recorded on									
Sl No.	Description of Chainage		Unit	No	L	B	D	Qty	Remarks
46	KSRB 15.1.3 Providing ruled pointing to coursed stone masonry with cement mortar 1:3, 20mm deep, after raking joints to depth of 20mm nicely lining, including cost of materials, labour, curing complete as per specifications								
	Amruthhalli Near Shiva Temple								
	0.00	15.00		2	15.00		0.45	13.50	
	15.00	30.00		2	15.00		0.45	13.50	
	30.00	45.00		2	15.00		0.45	13.50	
	45.00	60.00		2	15.00		0.45	13.50	
	60.00	77.20		2	17.20		0.45	15.48	
	138.00	150.60		2	12.60		1.20	30.24	
						Total Quantity		**99.72**	**Sq-m**

Assistant Executive Engineer.
Kodigehalli Sub Division,
Yelahanka Zone, B.B.M.P.,
Bangalore.

Consultant

Assistant Engineer

Assistant Executive Engineer
Kodigehalli Sub Division
Yelahanka Zone, B.B.M.P.

Measurements recorded on									
Sl No.	Description of Chainage		Unit	No	L	B	D	Qty	Remarks
54	KSRB 4-1.6 ; Providing and laying in position plain cement concrete of mix 1:2:4 with cement @ 240kgs, with 20mm and down size graded granite metal coarse aggregates @ 0.69 cum and fine aggregtes @ 0.459cum, machine mixed, concrete laid in layers not exceeding 15 cms. thick, well compacted, in foundation, plinth and cills, ncluding cost of all materials, labour, HOM of machinery, curing complete as per specifications. Specification No. KBS 4.1, 4.2. Page No.12, Item No. 4.6 PWD SR 2016-17								
	Bottom Concrete								
	0.00	15.00		2	15.00	0.45	0.10	1.35	
	15.00	30.00		2	15.00	0.45	0.10	1.35	
	30.00	45.00		2	15.00	0.45	0.10	1.35	
	45.00	60.00		2	15.00	0.45	0.10	1.35	
	60.00	77.20		2	17.20	0.45	0.10	1.55	
	Coping Concrete								
	Amruthhalli Near Shiva Temple								
	0.00	15.00		2	15.00	0.45	0.10	1.35	
	15.00	30.00		2	15.00	0.45	0.10	1.35	
	30.00	45.00		2	15.00	0.45	0.10	1.35	
	45.00	60.00		2	15.00	0.45	0.10	1.35	
	60.00	77.20		2	17.20	0.45	0.10	1.55	
						Total Quantity		**13.90**	
						Quantity Limited to		**8.36**	**Cu-m**